

AGREEMENT BETWEEN THE GOVERNMENTS OF THE
UNITED STATES OF AMERICA AND THE UNITED MEXICAN STATES
REGARDING CONDITIONS FOR UTILIZATION OF THE
BANDS 825-845 MHz and 870-890 MHz, FOR
PUBLIC RADIOCOMMUNICATIONS SERVICES USING
CELLULAR SYSTEMS ALONG THE COMMON U.S.-MEXICAN BORDER

**ORIGINAL
FILE**

RECEIVED

JUL 31 1992

Federal Communications Commission
Office of the Secretary

Preamble

92-160

On the basis of the provisions of paragraphs 2.c and 2.e of Section B of the "Agreement Between the Government of the United States of America and the Government of the United Mexican States Concerning Land Mobile Service in the Bands 470-512 MHz and 806-890 MHz along their Common Border", signed on June 18, 1982, the Governments of the United States of America and the United Mexican States have agreed in establishing this agreement on the conditions of use in the bands 825-845 MHz and 870-890 MHz, for the public radiocommunications services using cellular systems along the common border, which modifies the Agreement of 1982, in accordance with the requirements set forth herein.

A. Purpose

1. Adoption of a common plan for the use of frequencies within 72 kilometers (45 miles) on each side of the common border.
2. Establishment of coordination procedures.
3. Setting of basic technical parameters.

B. Conditions of Use

1. Frequencies

- a. The frequencies of the public radiocommunications services employing cellular systems appear in Table 1.
- b. The control frequencies appear in Table 2.

2. Coordination of frequencies for cellular systems
 - a. Through the application of the coordination mechanisms of both Administrations, each country may use all the frequencies of the bands 825-845 MHz and 870-890 MHz included in Table 1. For the purpose of this Agreement, "Administration" means the Federal Communications Commission of the United States of America and the Direccion General de Normatividad y Control de Comunicaciones of the Secretaria de Comunicaciones y Transportes of the United Mexican States.
 - b. These frequency bands shall be shared equally within 72 kilometers (45 miles) on each side of the common border. Each country shall take the necessary measures to ensure the equitable access of the other country to these frequencies.
 - c. Both Administrations agree to ensure that for establishing a cellular system within 72 kilometers (45 miles) of the common border, the necessary coordination is carried out to eliminate the possibility of harmful interference.
 - d. Beyond 72 kilometers (45 miles) on each side of the common border, each country may use the bands 825-845 MHz and 870-890 MHz for

the public radiocommunications services employing cellular systems on a non-coordinated basis.

- e. Each Administration shall provide the other, as soon as practical, with technical information on the systems authorized in its area within 72 kilometers (45 miles) of the common border.
- f. In the case that harmful interference occurs between two or more systems within 72 kilometers (45 miles) on each side of the common border, the Administrations shall require their respective licensees to make the necessary changes to eliminate such interference.

3. Technical Parameters

The cellular systems within 72 kilometers (45 miles) on each side of the common border shall be subject, in their operation, to the following technical parameters:

a. Maximum effective radiated power for:

- (i) base stations: 100 watts
- (ii) mobile stations: 7 watts
- (iii) auxiliary testing stations: 7 watts

b. Maximum height of base station transmitting antenna above average terrain from 3 to 16 kilometers (2 to 10 miles) will be 152 meters (500 feet). Greater heights may be

used provided the effective radiated power is reduced in accordance with Figure 1.

- c. The service area contour for each base station shall be determined by a field strength of 39 dBu. The calculation of the field strength shall be made by using the curves in Figure 2.
- d. Protected contour of a base station within the territory of the country where the station is located: 39 dBu.
- e. Maximum field strength on the common border of a base station: 39 dBu. In exceptional cases, the 39 dBu field strength contour can go beyond the common border into the territory of the other country, as long as there is prior agreement between both Administrations.
- f. Desired signal-to-interference protection ratio at 39 dBu contour: 30 dB.
- g. Frequency separation between channels: 30 kHz.
- h. Emission designators: 40KOF9X or 40KOF3E.
- i. Maximum frequency deviation: ± 12 kHz.

4. Additional Condition

Both Administrations agree to prohibit their cellular system licensees from accepting subscribers from or providing services to the neighboring country. Likewise, they agree to notify their licensees that their customers

must abstain from operating their mobile units in the neighboring country, unless that country's government expressly authorizes them to do so.

C. Entry into force

This agreement shall enter into force upon receipt by the Government of the United States of America of notification from the Government of the United Mexican States that the formalities required by its national legislation have been completed.

D. Revision

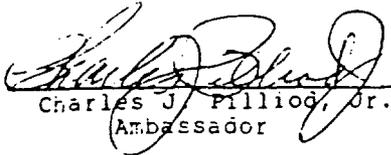
This agreement may be completely or partially revised through an exchange of diplomatic notes, provided the modifications have been approved by both Administrations.

E. Termination

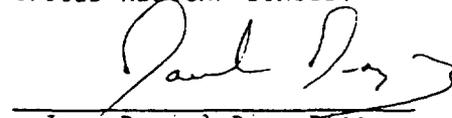
This agreement shall be terminated when the basic Agreement Concerning Land Mobile Service (signed June 18, 1982) is terminated, or when both Governments, by common consent, agree to terminate it, or when one of the Governments gives notice of termination by diplomatic note to the other Party. In the latter case, the agreement shall be considered terminated one year after the date of receipt of the note.

DONE in duplicate at Mexico, D.F., in the English and Spanish languages, both versions being equally valid texts, this twelfth day of the month of September of the year One Thousand Nine Hundred Eighty-Eight.

FOR THE GOVERNMENT OF THE
UNITED STATES OF AMERICA:


Charles J. Fillion, Jr.
Ambassador

FOR THE GOVERNMENT OF THE
UNITED MEXICAN STATES:


Ing. Daniel Diaz Diaz,
Minister of Communications
and Transport

ENCLOSURES: 1. Tables 1 and 2
2. Figures 1 and 2

T A B L E 1

Bands from 825 MHz to 845 MHz and from 870 MHz to 890 MHz

<u>No. of Channel</u>	<u>FREQUENCIES (MHz)</u>		<u>No. of Channel</u>	<u>FREQUENCIES (MHz)</u>	
	<u>MOBILE</u>	<u>BASE</u>		<u>MOBILE</u>	<u>BASE</u>
1	825.030	870.030	44	826.320	871.320
2	825.060	870.060	45	826.350	871.350
3	825.090	870.090	46	826.380	871.380
4	825.120	870.120	47	826.410	871.410
5	825.150	870.150	48	826.440	871.440
6	825.180	870.180	49	826.470	871.470
7	825.210	870.210	50	826.500	871.500
8	825.240	870.240	51	826.530	871.530
9	825.270	870.270	52	826.560	871.560
10	825.300	870.300	53	826.590	871.590
11	825.330	870.330	54	826.620	871.620
12	825.360	870.360	55	826.650	871.650
13	825.390	870.390	56	826.680	871.680
14	825.420	870.420	57	826.710	871.710
15	825.450	870.450	58	826.740	871.740
16	825.480	870.480	59	826.770	871.770
17	825.510	870.510	60	826.800	871.800
18	825.540	870.540	61	826.830	871.830
19	825.570	870.570	62	826.860	871.860
20	825.600	870.600	63	826.890	871.890
21	825.630	870.630	64	826.920	871.920
22	825.660	870.660	65	826.950	871.950
23	825.690	870.690	66	826.980	871.980
24	825.720	870.720	67	827.010	872.010
25	825.750	870.750	68	827.040	872.040
26	825.780	870.780	69	827.070	872.070
27	825.810	870.810	70	827.100	872.100
28	825.840	870.840	71	827.130	872.130
29	825.870	870.870	72	827.160	872.160
30	825.900	870.900	73	827.190	872.190
31	825.930	870.930	74	827.220	872.220
32	825.960	870.960	75	827.250	872.250
33	825.990	870.990	76	827.280	872.280
34	826.020	871.020	77	827.310	872.310
35	826.050	871.050	78	827.340	872.340
36	826.080	871.080	79	827.370	872.370
37	826.110	871.110	80	827.400	872.400
38	826.140	871.140	81	827.430	872.430
39	826.170	871.170	82	827.460	872.460
40	826.200	871.200	83	827.490	872.490
41	826.230	871.230	84	827.520	872.520
42	826.260	871.260	85	827.550	872.550
43	826.290	871.290	86	827.580	872.580

T A B L E 1

Bands from 825 MHz to 845 MHz and from 870 MHz to 890 MHz

No. of Channel	FREQUENCIES (MHz)		No. of Channel	FREQUENCIES (MHz)	
	MOBILE	BASE		MOBILE	BASE
87	827.610	872.610	128	828.840	873.840
88	827.640	872.640	129	828.870	873.840
89	827.670	872.670	130	828.900	873.900
90	827.700	872.700	131	828.930	873.930
91	827.730	872.730	132	828.960	873.960
92	827.760	872.760	133	828.990	873.990
93	827.790	872.790	134	829.020	874.020
94	827.820	872.820	135	829.050	874.050
95	827.850	872.850	136	829.080	874.080
96	827.880	872.880	137	829.110	874.110
97	827.910	872.910	138	829.140	874.140
98	827.940	872.940	139	829.170	874.170
99	827.970	872.970	140	829.200	874.200
100	828.000	873.000	141	829.230	874.230
101	828.030	873.030	142	829.260	874.260
102	828.060	873.060	143	829.290	874.290
103	828.090	873.090	144	829.320	874.320
104	828.120	873.120	145	829.350	874.350
105	828.150	873.150	146	829.380	874.380
106	828.180	873.180	147	829.410	874.410
107	828.210	873.210	148	829.440	874.440
108	828.240	873.240	149	829.470	874.470
109	828.270	873.270	150	829.500	874.500
110	828.300	873.200	151	829.530	874.530
111	828.330	873.330	152	829.560	874.560
112	828.360	873.360	153	829.590	874.590
113	828.390	873.390	154	829.620	874.620
114	828.420	873.420	155	829.650	874.650
115	828.450	873.450	156	829.680	874.680
116	828.480	873.480	157	829.710	874.710
117	828.510	873.510	158	829.740	874.740
118	828.540	873.540	159	829.770	874.770
119	828.570	873.570	160	829.800	874.800
120	828.600	873.600	161	829.830	874.830
121	828.630	873.630	162	829.860	874.860
122	828.660	873.660	163	829.890	874.890
123	828.690	873.690	164	829.920	874.920
124	828.720	873.720	165	829.950	874.950
125	828.750	873.750	166	829.980	874.980
126	828.780	873.780	167	830.010	875.010
127	828.810	873.810	168	830.040	875.040

T A B L E 1

Bands from 825 MHz to 845 MHz and from 870 MHz to 890 MHz

No. of Channel	FREQUENCIES (MHz)		No. of Channel	FREQUENCIES (MHz)	
	MOBILE	BASE		MOBILE	BASE
169	830.070	875.070	207	831.210	876.210
170	830.100	875.100	208	831.240	876.240
171	830.130	875.130	209	831.270	876.270
172	830.160	875.160	210	831.300	876.300
173	830.190	875.190	211	831.330	876.330
174	830.220	875.220	212	831.360	876.360
175	830.250	875.250	213	831.390	876.390
176	830.280	875.280	214	831.420	876.420
177	830.310	875.310	215	831.450	876.450
178	830.340	875.340	216	831.480	876.480
179	830.370	875.370	217	831.510	876.510
180	830.400	875.400	218	831.540	876.540
181	830.430	875.430	219	831.570	876.570
182	830.460	875.460	220	831.600	876.600
183	830.490	875.490	221	831.630	876.630
184	830.520	875.520	222	831.660	876.660
185	830.550	875.550	223	831.690	876.690
186	830.580	875.580	224	831.720	876.720
187	830.610	875.610	225	831.750	876.750
188	830.640	875.640	226	831.780	876.780
189	830.670	875.670	227	831.810	876.810
190	870.700	875.700	228	831.840	876.840
191	830.730	875.730	229	831.870	876.870
192	830.760	875.760	230	831.900	876.900
193	830.790	875.790	231	831.930	876.930
194	830.820	875.820	232	831.960	876.960
195	830.850	875.850	233	831.990	876.990
196	830.880	875.880	234	832.020	877.020
197	830.910	875.910	235	832.050	877.050
198	830.940	875.940	236	832.080	877.080
199	830.970	875.970	237	832.110	877.110
200	831.000	876.000	238	832.140	877.140
201	831.030	876.030	239	832.170	877.170
202	831.060	876.060	240	832.200	877.200
203	831.090	876.090	241	832.230	877.230
204	831.120	876.120	242	832.260	877.260
205	831.150	876.150	243	832.290	877.290
206	831.180	876.180	244	832.320	877.320

T A B L E 1

Bands from 825 MHz to 845 MHz and from 870 MHz to 890 MHz

No. of Channel	FREQUENCIES (MHz)		No. of Channel	FREQUENCIES (MHz)	
	MOBILE	BASE		MOBILE	BASE
245	832.350	877.350	285	833.550	878.550
246	832.380	877.380	286	833.580	878.580
247	832.410	877.410	287	833.610	878.610
248	832.440	877.440	288	833.640	878.640
249	832.470	877.470	289	833.670	878.670
250	832.500	877.500	290	833.700	878.700
251	832.530	877.530	291	833.730	878.730
252	832.560	877.560	292	833.760	878.760
253	832.590	877.590	293	833.790	878.790
254	832.620	877.620	294	833.820	878.820
255	832.650	877.650	295	833.850	878.850
256	832.680	877.680	296	833.880	878.880
257	832.710	877.710	297	833.910	878.910
258	832.740	877.740	298	833.940	878.940
259	832.770	877.770	299	833.970	878.970
260	832.800	877.800	300	834.000	879.000
261	832.830	877.830	301	834.030	879.030
262	832.860	877.860	302	834.060	879.060
263	832.890	877.890	303	834.090	879.090
264	832.920	877.920	304	834.120	879.120
265	832.950	877.950	305	834.150	879.150
266	832.980	877.980	306	834.180	879.180
267	833.010	878.010	307	834.210	879.210
268	833.040	878.040	308	834.240	879.240
269	833.070	878.070	309	834.270	879.270
270	833.100	878.100	310	834.300	879.300
271	833.130	878.130	311	834.330	879.330
272	833.160	878.160	312	834.360	879.360
273	833.190	878.190	313	834.390	879.390
274	833.220	878.220	314	834.420	879.420
275	833.250	878.250	315	834.450	879.450
276	833.280	878.280	316	834.480	879.480
277	833.310	878.310	317	834.510	879.510
278	833.340	878.340	318	834.540	879.540
279	833.370	878.370	319	834.570	879.570
280	833.400	878.400	320	834.600	879.600
281	833.430	878.430	321	834.630	879.630
282	833.460	878.460	322	834.660	879.660
283	833.490	878.490	323	834.690	879.690
284	833.520	878.520	324	834.720	879.720

T A B L E 1

Bands from 825 MHz to 845 MHz and from 870 MHz to 890 MHz

No. of Channel	FREQUENCIES (MHz)		No. of Channel	FREQUENCIES (MHz)	
	MOBILE	BASE		MOBILE	BASE
325	834.750	879.750	361	835.830	880.830
326	834.780	879.780	362	835.860	880.860
327	834.810	879.810	363	835.890	880.890
328	834.840	879.840	364	835.920	880.920
329	834.870	879.870	365	835.950	880.950
330	834.900	879.900	366	835.980	880.980
331	834.930	879.930	367	836.010	881.010
332	834.960	879.960	368	836.040	881.040
333	834.990	879.990	369	836.070	881.070
334	835.020	880.020	370	836.100	881.100
335	835.050	880.050	371	836.130	881.130
336	835.080	880.080	372	836.160	881.160
337	835.110	880.110	373	836.190	881.190
338	835.140	880.140	374	836.220	881.220
339	835.170	880.170	375	836.250	881.250
340	835.200	880.200	376	836.280	881.280
341	835.230	880.230	377	836.310	881.310
342	835.260	880.260	378	836.340	881.340
343	835.290	880.290	379	836.370	881.370
344	835.320	880.320	380	836.400	881.400
345	835.350	880.350	381	836.430	881.430
346	835.380	880.380	382	836.460	881.460
347	835.410	880.410	383	836.490	881.490
348	835.440	880.440	384	836.520	881.520
349	835.470	880.470	385	836.550	881.550
350	835.500	880.500	386	836.580	881.580
351	835.530	880.530	387	836.610	881.610
352	835.560	880.560	388	836.640	881.640
353	835.590	880.590	389	836.670	881.670
354	835.620	880.620	390	836.700	881.700
355	835.650	880.650	391	836.730	881.730
356	835.680	880.680	392	836.760	881.760
357	835.710	880.710	393	836.790	881.790
358	835.740	880.740	394	836.820	881.820
359	835.770	880.770	395	836.850	881.850
360	835.800	880.800			

T A B L E 1

Bands from 825 MHz to 845 MHz and from 870 MHz to 890 MHz

No. of Channel	FREQUENCIES (MHz)		No. of Channel	FREQUENCIES (MHz)	
	MOBILE	BASE		MOBILE	BASE
396	836.880	881.880	436	838.080	883.080
397	836.910	881.910	437	838.110	883.110
398	836.940	881.940	438	838.140	883.140
399	836.970	881.970	439	838.170	883.170
400	837.000	882.000	440	838.200	883.200
401	837.030	882.030	441	838.230	883.230
402	837.060	882.060	442	838.260	883.260
403	837.090	882.090	443	838.290	883.290
404	837.120	882.120	444	838.320	883.320
405	837.150	882.150	445	838.350	883.350
406	837.180	882.180	446	838.380	883.380
407	837.210	882.210	447	838.410	883.410
408	837.240	882.240	448	838.440	883.440
409	837.270	882.270	449	838.470	883.470
410	837.300	882.300	450	838.500	883.500
411	837.330	882.330	451	838.530	883.530
412	837.360	882.360	452	838.560	883.560
413	837.390	882.390	453	838.590	883.590
414	837.420	882.420	454	838.620	883.620
415	837.450	882.450	455	838.650	883.650
416	837.480	882.480	456	838.680	883.680
417	837.510	882.510	457	838.710	883.710
418	837.540	882.540	458	838.740	883.740
419	837.570	882.570	459	838.770	883.770
420	837.600	882.600	460	838.800	883.800
421	837.630	882.630	461	838.830	883.830
422	837.660	882.660	462	838.860	883.860
423	837.690	882.690	463	838.890	883.890
424	837.720	882.720	464	838.920	883.920
425	837.750	882.750	465	838.950	883.950
426	837.780	882.780	466	838.980	883.980
427	837.810	882.810	467	839.010	884.010
428	837.840	882.840	468	839.040	884.040
429	837.870	882.870	469	839.070	884.070
430	837.900	882.900	470	839.100	884.100
431	837.930	882.930	471	839.130	884.130
432	837.960	882.960	472	839.160	884.160
433	837.990	882.990	473	839.190	884.190
434	838.020	883.020	474	839.220	884.220
435	838.050	883.050	475	839.250	884.250

T A B L E 1

Bands from 825 MHz to 845 MHz and from 870 MHz to 890 MHz

No. of Channel	FREQUENCIES (MHz)		No. of Channel	FREQUENCIES (MHz)	
	MOBILE	BASE		MOBILE	BASE
476	839.280	884.280	516	840.480	885.480
477	839.310	884.310	517	840.510	885.510
478	839.340	884.340	518	840.540	885.540
479	839.370	884.370	519	840.570	885.570
480	839.400	884.400	520	840.600	885.600
481	839.430	884.430	521	840.630	885.630
482	839.460	884.460	522	840.660	885.660
483	839.490	884.490	523	840.690	885.690
484	839.520	884.520	524	840.720	885.720
485	839.550	884.550	525	840.750	885.750
486	839.580	884.580	526	840.780	885.780
487	839.610	884.610	527	540.810	885.810
488	839.640	884.640	528	840.840	885.840
489	839.670	884.670	529	840.870	885.870
490	839.700	884.700	530	840.900	885.900
491	839.730	884.730	531	840.930	885.930
492	839.760	884.760	532	840.960	885.960
493	839.790	884.790	533	840.990	885.990
494	849.820	884.820	534	841.020	886.020
495	839.850	884.850	535	841.050	886.050
496	839.880	884.880	536	841.080	886.080
497	839.910	884.910	537	841.110	886.110
498	839.940	884.940	538	841.140	886.140
499	839.970	884.970	539	841.170	886.170
500	840.000	885.000	540	841.200	886.200
501	840.030	885.030	541	841.230	886.230
502	840.060	885.060	542	841.260	886.260
503	840.090	885.090	543	841.290	886.290
504	840.120	885.120	544	841.320	886.320
505	840.150	885.150	545	841.350	886.350
506	840.180	885.180	546	841.380	886.380
507	840.210	885.210	547	841.410	886.410
508	840.240	885.240	548	841.440	886.440
509	840.270	885.270	549	841.470	886.470
510	840.300	885.300	550	841.500	886.500
511	840.330	885.330	551	841.530	886.530
512	840.360	885.360	552	841.560	886.560
513	840.390	885.390	553	841.590	886.590
514	840.420	885.420	554	841.620	886.620
515	840.450	885.450	555	841.650	886.650

T A B L E 1

Bands from 825 MHz to 845 MHz and from 870 MHz to 890 MHz

No. of Channel	FREQUENCIES (MHz)		No. of Channel	FREQUENCIES (MHz)	
	MOBILE	BASE		MOBILE	BASE
556	841.680	886.680	598	842.940	887.940
557	841.710	886.710	599	842.970	887.970
558	841.740	886.740	600	843.000	888.000
559	841.770	886.770	601	843.030	888.030
560	841.800	886.800	602	843.060	888.060
561	841.830	886.830	603	843.090	888.090
562	841.860	886.860	604	843.120	888.120
563	841.890	886.890	605	843.150	888.150
564	841.920	886.920	606	843.180	888.180
565	841.950	886.950	607	843.210	888.210
566	841.980	886.980	608	843.240	888.240
567	842.010	887.010	609	843.270	888.270
568	842.040	887.040	610	843.300	888.300
569	842.070	887.070	611	843.330	888.330
570	842.100	887.100	612	843.360	888.360
571	842.130	887.130	613	843.390	888.390
572	842.160	887.160	614	843.420	888.420
573	842.190	887.190	615	843.450	888.450
574	842.220	887.220	616	843.480	888.480
575	842.250	887.250	617	843.510	888.510
576	842.280	887.280	618	843.540	888.540
577	842.310	887.310	619	843.570	888.570
578	842.340	887.340	620	843.600	888.600
579	842.370	887.370	621	843.630	888.630
580	842.400	887.400	622	843.660	888.660
581	842.430	887.430	623	843.690	888.690
582	842.460	887.460	624	843.720	888.720
583	842.490	887.490	625	843.750	888.750
584	842.520	887.520	626	843.780	888.780
585	842.550	887.550	627	843.810	888.810
586	842.580	887.580	628	843.840	888.840
587	842.610	887.610	629	843.870	888.870
588	842.640	887.640	630	843.900	888.900
589	842.670	887.670	631	843.930	888.930
590	842.700	887.700	632	843.960	888.960
591	842.730	887.730	633	843.990	888.990
592	842.760	887.760	634	844.020	889.020
593	842.790	887.790	635	844.050	889.050
594	842.820	887.820	636	844.080	889.080
595	842.850	887.850	637	844.110	889.110
596	842.880	887.880	638	844.140	889.140
597	842.910	887.910	639	844.170	889.170

T A B L E 1

Bands from 825 MHz to 845 MHz and from 870 MHz to 890 MHz

<u>No. of Channel</u>	<u>FREQUENCIES (MHz)</u>	
	<u>MOBILE</u>	<u>BASE</u>
640	844.200	889.200
641	844.230	889.230
642	844.260	889.260
643	844.290	889.290
644	844.320	889.320
645	844.350	889.350
646	844.380	889.380
647	844.410	889.410
648	844.440	889.440
649	844.470	889.470
650	844.500	889.500
651	844.530	889.530
652	844.560	889.560
653	844.590	889.590
654	844.620	889.620
655	844.650	889.650
656	844.680	889.680
657	844.710	889.710
658	844.740	889.740
659	844.770	889.770
660	844.800	889.800
661	844.830	889.830
662	844.860	889.860
663	844.890	889.890
664	844.920	889.920
665	844.950	889.950
666	844.980	889.980

T A B L E 2

Frequency Channels which are to be Used for Control Purposes
in the 825-845 MHz and 870-890 MHz Bands

<u>No. of Channel</u>	<u>FREQUENCIES (MHz)</u>	
	<u>MOBILE</u>	<u>BASE</u>
313	843.390	879.390
314	834.420	879.420
315	834.450	879.540
316	834.480	879.480
317	834.510	879.510
318	834.540	879.540
319	834.570	879.570
320	834.600	879.600
321	834.630	879.630
322	834.660	879.660
323	834.690	879.690
324	834.720	879.720
325	834.750	879.750
326	834.780	879.780
327	834.810	879.810
328	834.840	879.840
329	834.870	879.870
330	834.900	879.900
331	834.930	879.930
332	834.960	879.960
333	834.990	879.990
334	835.020	880.020
335	835.050	880.050
336	835.080	880.080
337	835.110	880.110
338	835.140	880.140
339	835.170	880.170
340	835.200	880.200
341	835.230	880.230
342	835.260	880.260
343	835.290	880.290
344	835.320	880.320
345	835.350	880.350
346	835.380	880.380
347	835.410	880.410
348	835.440	880.440
349	835.470	880.470
350	835.500	880.500
351	835.530	880.530
352	835.560	880.560
353	835.590	880.590
354	835.620	880.620

FIGURE 1

Necessary Reduction in the Effective Radiated Power
for Antennas higher than 152 meters (500 feet)
above Average Terrain

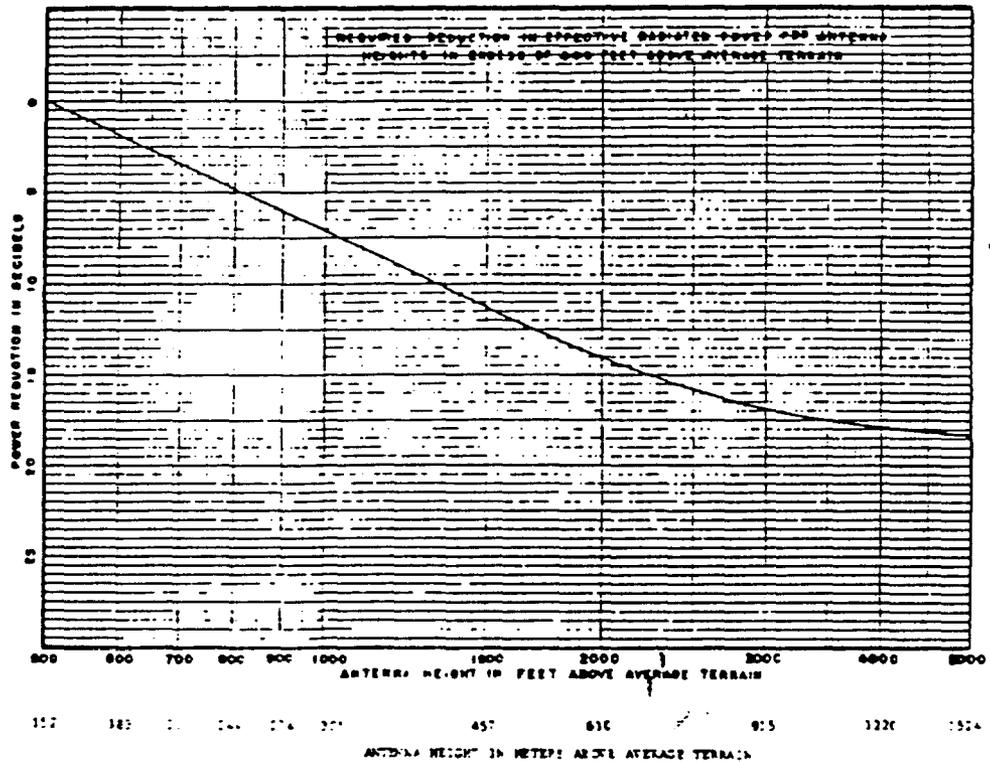
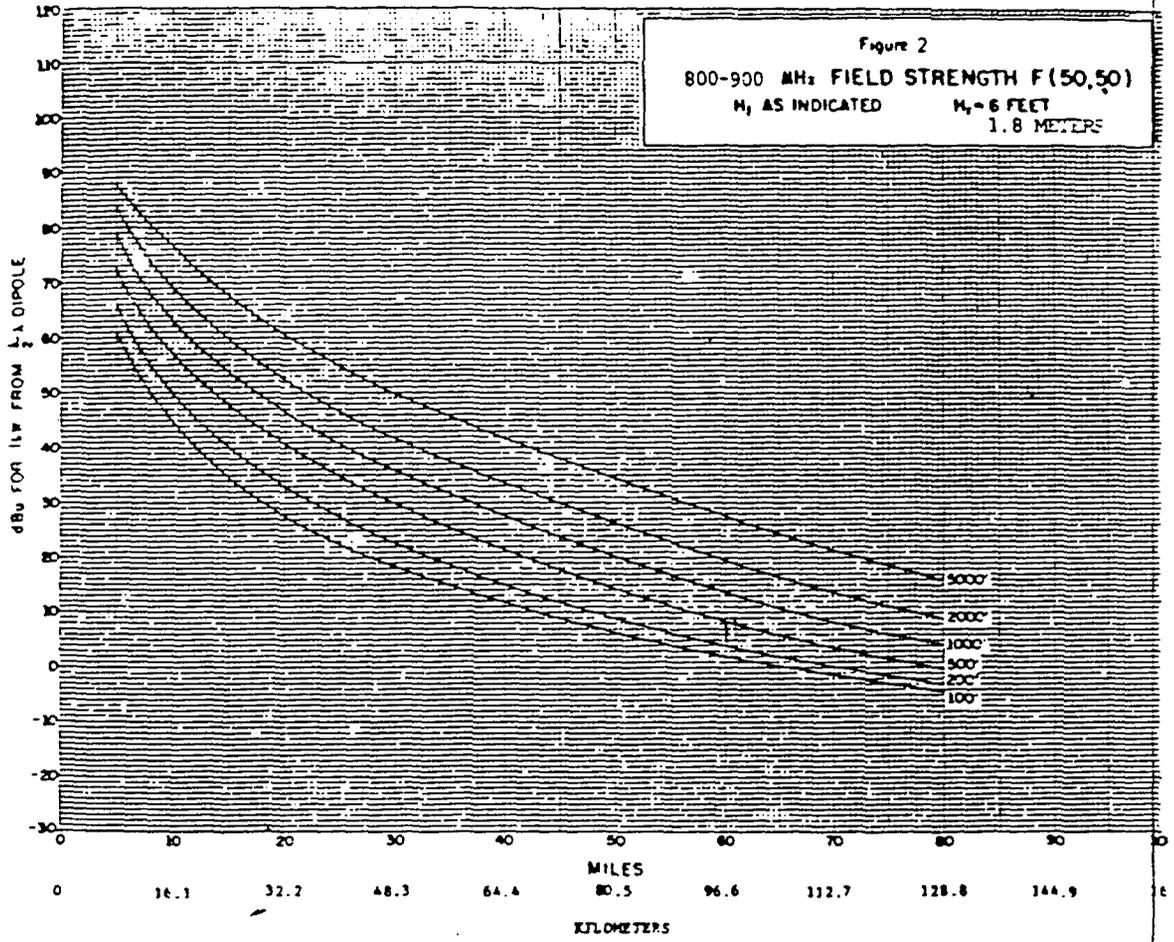


FIGURE 2

Field Strength Curves



ACUERDO ENTRE EL GOBIERNO DE LOS ESTADOS UNIDOS DE AMERICA Y EL GOBIERNO DE LOS ESTADOS UNIDOS MEXICANOS CONCERNIENTE A LAS CONDICIONES DE UTILIZACION DE LAS BANDAS DE 825-845 MHz Y 870-890 MHz PARA LOS SERVICIOS PUBLICOS DE RADIOCOMUNICACIONES EMPLEANDO SISTEMAS CELULARES A LO LARGO DE LA FRONTERA COMUN ESTADOS UNIDOS-MEXICO

Preámbulo:

Con base en lo estipulado en los párrafos 2.c y 2.e de la Sección B del "Acuerdo entre el Gobierno de los Estados Unidos de América y el Gobierno de los Estados Unidos Mexicanos concerniente al Servicio Móvil Terrestre en las Bandas de 470-512 MHz y de 806-890 MHz, a lo Largo de la Frontera Común", firmado el 18 de junio de 1982, el Gobierno de los Estados Unidos de América y el Gobierno de los Estados Unidos Mexicanos han convenido en establecer el presente Acuerdo sobre las condiciones de utilización de las bandas de 825-845 MHz y de 870-890 MHz, para los servicios públicos de radio comunicaciones empleando sistemas celulares a lo largo de la frontera común, que enmienda el Acuerdo de 1982, de conformidad con los requisitos que se exponen a continuación:

A. Finalidad

1. Adopción de un plan común para la utilización de frecuencias dentro de una zona de 72 kilómetros (45 millas) a cada lado de la frontera común.
2. Establecimiento de procedimientos de coordinación.

3. Fijación de parámetros técnicos básicos.

B. Condiciones de utilización

1. Frecuencias

- a. Las frecuencias destinadas a los servicios públicos de radiocomunicaciones que emplean sistemas celulares figuran en el Cuadro 1.
- b. Las frecuencias de control figuran en el Cuadro 2.

2. Coordinación de frecuencias para sistemas celulares

- a. Mediante la aplicación de los mecanismos de coordinación de ambas Administraciones, cada país podrá utilizar todas las frecuencias de las bandas de 825-845 MHz y de 870-890 MHz que figuran en el Cuadro 1. A los efectos del presente Acuerdo, se entiende por "Administraciones" la Federal Communications Commission de los Estados Unidos de América y la Dirección General de Normatividad y Control de Comunicaciones de la Secretaría de Comunicaciones y Transportes de los Estados Unidos Mexicanos.
- b. Dichas bandas de frecuencias se compartirán en partes iguales dentro de una zona de 72 kilómetros (45 millas) a cada lado de la frontera común. Cada país tomará las medidas necesarias para asegurar el acceso equitativo del otro país a dichas frecuencias.

- c. Ambas Administraciones convienen en garantizar que para el establecimiento de un sistema celular dentro de una zona de 72 kilómetros (45 millas) a cada lado de la frontera común, se efectúe la coor
dinación necesaria para eliminar la posibilidad de interferencia perjudicial.
- d. Más allá de la zona de 72 kilómetros (45 millas) a cada lado de la frontera común, cada país podrá utilizar las bandas de 825-845 MHz y de 870-890 MHz para los servicios públicos de radiocomunica
ciones empleando sistemas celulares sobre una ba
se no coordinada.
- e. Cada Administración proporcionará a la Otra, tan pronto como sea práctico, información técnica so
bre los sistemas autorizados dentro de su zona de 72 kilómetros (45 millas) de la frontera común.
- f. En caso de que surja una interferencia perjudicial entre dos o más sistemas dentro de la zona de 72 kilómetros (45 millas) a cada lado de la frontera común, las Administraciones requerirán a sus res
pectivos concesionarios que hagan los cambios ne
cesarios para eliminar tal interferencia.

3. Parámetros técnicos

Los sistemas celulares en una zona de 72 kilómetros (45 millas) a cada lado de la frontera común estarán sujetos, en su funcionamiento, a los siguientes parámetros técnicos:

a. Máxima potencia radiada aparente para:

- i) Estaciones de base: 100 watts
- ii) Estaciones móviles: 7 watts
- iii) Estaciones auxiliares de prueba: 7 watts

b. La altura máxima de la antena transmisora de la estación de base sobre el nivel promedio del terreno entre 3 y 16 kilómetros (2-10 millas) será de 152 metros (500 pies). Podrán utilizarse alturas superiores siempre que se reduzca la potencia radiada aparente de conformidad con la Figura 1.

c. El contorno de la zona de servicio para cada estación de base se determinará mediante una intensidad de campo de 39 dBu. El cálculo de la intensidad de campo deberá efectuarse utilizando las curvas de la Figura 2.

d. Contorno protegido de una estación base dentro del territorio del país en que esté ubicada la estación: 39 dBu.

e. Intensidad máxima de campo en la frontera común de una estación de base: 39 dBu. En casos excepcionales, el contorno de intensidad de campo de 39 dBu podrá extenderse más allá de la frontera común al territorio del otro país, siempre y cuando haya acuerdo previo entre ambas Administraciones.

f. Relación de protección señal deseada/señal inter

ferente en el contorno de 39 dBu: 30 dB.

- | | | |
|---|--------------------|---|
| g. Separación de frecuencias entre canales: | 30 kHz | |
| h. Denominación de las emisiones: | 40KOF9X
40KOF3E | 6 |
| i. Desviación máxima de frecuencia: | ± 12 kHz | |

4. Condiciones adicionales

Ambas Administraciones convienen en prohibir a sus concesionarios de sistemas celulares que acepten sus criptores o presten servicios en el país vecino. Asimismo, convienen en notificar a sus concesionarios que sus usuarios deberán abstenerse de operar sus unidades móviles en el país vecino, salvo que el Gobierno de dicho país se los autorice expresamente.

C. Entrada en vigor

El presente Acuerdo entrará en vigor al recibir el Gobierno de los Estados Unidos de América la notificación del Gobierno de los Estados Unidos Mexicanos de que se ha cumplido con las formalidades exigidas por su legislación nacional.

D. Enmiendas

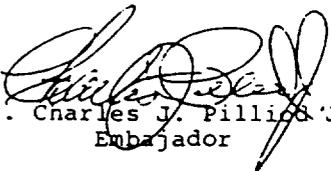
El presente Acuerdo podrá ser enmendado total o parcialmente mediante canje de notas diplomáticas, siempre que las enmiendas hayan sido aprobadas por ambas Administraciones.

E. Terminación

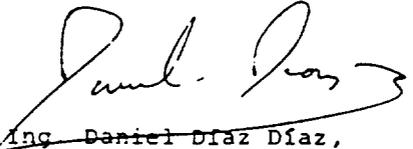
El presente Acuerdo se dará por terminado cuando termine el Acuerdo Básico concerniente al Servicio Móvil Terrestre (firmado el 18 de junio de 1982), o cuando ambos Gobiernos, de común acuerdo, convengan en darlo por terminado, o cuando uno de los Gobiernos lo denuncie mediante nota diplomática a la otra Parte. En este último caso, el Acuerdo se considerará terminado un año después de la fecha de recibo de la nota.

Hecho por duplicado en México, D.F., en idioma español e inglés, siendo ambos textos igualmente válidos, a los doce días del mes de septiembre del año de mil novecientos ochenta y ocho.

Por el Gobierno de los
Estados Unidos de América


Sr. Charles J. Pillino Jr.,
Embajador

Por el Gobierno de los
Estados Unidos Mexicanos


Ing. Daniel Díaz Díaz,
Secretario de Comunicaciones
y Transportes

CUADRO 1

Bandas de 825 MHz a 845 MHz y de 870 MHz a 890 MHz

No. DE CANAL	FRECUENCIAS (MHz)		No. DE CANAL	FRECUENCIAS (MHz)	
	MOVIL	BASE		MOVIL	BASE
1	825.030	870.030	44	826.320	871.320
2	825.060	870.060	45	826.350	871.350
3	825.090	870.090	46	826.380	871.380
4	825.120	870.120	47	826.410	871.410
5	825.150	870.150	48	826.440	871.440
6	825.180	870.180	49	826.470	871.470
7	825.210	870.210	50	826.500	871.500
8	825.240	870.240	51	826.530	871.530
9	825.270	870.270	52	826.560	871.560
10	825.300	870.300	53	826.590	871.590
11	825.330	870.330	54	826.620	871.620
12	825.360	870.360	55	826.650	871.650
13	825.390	870.390	56	826.680	871.680
14	825.420	870.420	57	826.710	871.710
15	825.450	870.450	58	826.740	871.740
16	825.480	870.480	59	826.770	871.770
17	825.510	870.510	60	826.800	871.800
18	825.540	870.540	61	826.830	871.830
19	825.570	870.570	62	826.860	871.860
20	825.600	870.600	63	826.890	871.890
21	825.630	870.630	64	826.920	871.920
22	825.660	870.660	65	826.950	871.950
23	825.690	870.690	66	826.980	871.980
24	825.720	870.720	67	827.010	872.010
25	825.750	870.750	68	827.040	872.040
26	825.780	870.780	69	827.070	872.070
27	825.810	870.810	70	827.100	872.100
28	825.840	870.840	71	827.130	872.130
29	825.870	870.870	72	827.160	872.160
30	825.900	870.900	73	827.190	872.190
31	825.930	870.930	74	827.220	872.220
32	825.960	870.960	75	827.250	872.250
33	825.990	870.990	76	827.280	872.280
34	826.020	871.020	77	827.310	872.310
35	826.050	871.050	78	827.340	872.340
36	826.080	871.080	79	827.370	872.370
37	826.110	871.110	80	827.400	872.400
38	826.140	871.140	81	827.430	872.430
39	826.170	871.170	82	827.460	872.460
40	826.200	871.200	83	827.490	872.490
41	826.230	871.230	84	827.520	872.520
42	826.260	871.260	85	827.550	872.550
43	826.290	871.290	86	827.580	872.580